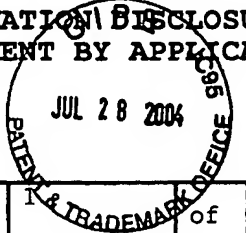


Please type a plus sign (+) inside this box →

+

PTO/SB/08A (08-00)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT 		Application Number	10/790,931
		Filing Date	March 1, 2004
		First Named Inventor	T. TAKAYAMA
		Group Art Unit	Not Yet Assigned <i>174d</i>
		Examiner Name	Not Yet Assigned <i>Yee</i>
Sheet 1 of 2	Attorney Docket Number		04005/LH

U.S. PATENT DOCUMENTS

Exam. Inits ¹	Cite No ¹	Document Number	Kind Code ²	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion
<i>04</i>	A	2004/0035499	A1	TAKAYAMA et al.	02-26-2004	

FOREIGN PATENT DOCUMENTS

Exam. Inits ¹	Cite No ¹	Offc ³	Document Number ⁴	Kind Code ⁵	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T ⁶
<i>04</i> <i>04</i> <i>04</i> <i>04</i> <i>04</i>	B	JP	03-061348	A	KOMATSU LTD.	03-18-1991		X*
	C	JP	08-073929	A	KOMATSU LTD.	03-19-1996		X*
	D	JP	08-104924	A	KOMATSU LTD.	04-23-1996		X*
	E	JP	2003-328078	A	KOMATSU LTD.	11-19-2003		X*
	F	JP	2004-076125	A	KOMATSU LTD.	03-11-2004		X*
*English Language Abstract only								

Examiner Signature	<i>Deborah Yee</i>	Date Considered	<i>6-6-06</i>
--------------------	--------------------	-----------------	---------------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Place a check here if English translation is attached.

DATE MAILED: July 26, 2004

Please type arplus s\$gn (+) inside this box ->



PTO/SB/08B (08-00)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/79093		
		Filing Date	Herewith		
		First Named Inventor	TAKAYAMA		
		Group Art Unit	1742		
		Examiner Name	Yee		
Sheet	2	of	2	Attorney Docket Number	04005/LH

OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of author (in CAPITAL LETTERS), title of article, title of item, date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²				
04		HEAT TREATMENT OF STEEL (5 th Edition); Edited by the Iron and Steel Institute of Japan, March 15, 1985; pp. 44-46; 110.					
04		K. KOMINE et al; ON RELATIONSHIP BETWEEN HALF VALUE BREADTH AND HARDNESS OF QUENCHED-TEMPERED STEELS ; Materials Vol. 26, No.280, P26 issued by Society of Materials, Japan, pp. 24-30. 1-15-1977.					
<table border="1"> <tr> <td>Examiner Signature</td> <td>Deborah Yee</td> <td>Date Considered</td> <td>6-6-06</td> </tr> </table>				Examiner Signature	Deborah Yee	Date Considered	6-6-06
Examiner Signature	Deborah Yee	Date Considered	6-6-06				

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Place a check here if English translation is attached.


DATE MAILED: March 1, 2004

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT 		Application Number	10/790,931	
		Filed	March 1, 2004	
		First Named Inventor	Takemori TAKAYAMA	
		Group Art Unit	1742	
		Examiner Name	Deborah YEE	
Sheet	1	1	Attorney Docket Number	04005/HG

U.S. PATENT DOCUMENTS

Exam. Inits [*]	Cite No ¹	Document Number	Kind Code ²	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion
DY		2004/0047757 10/39173d	A1	TAKAYAMA	03-11-2004	
DY		2006/0016519 11/234,959	A1	TAKAYAMA	01-26-2006	

FOREIGN PATENT DOCUMENTS

Exam Inits [*]	Cite No ¹	Offc ³	Document Number ⁴	Kind Code ⁵	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T ⁶

Examiner Signature	Deborah Yee	Date Considered	6-6-06
--------------------	-------------	-----------------	--------

* EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Place a check here if English translation is attached.

DATE MAILED: April 6, 2006